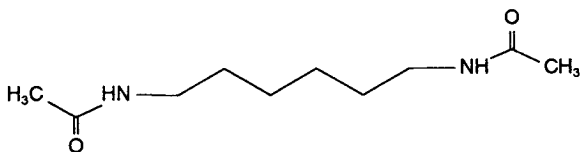


## HMBA

NSC - 95580



**Chemical Name:**

*N,N'*-Hexamethylenebisacetamide

**CAS Registry Number:** 3073-59-4

**Molecular Formula:** C<sub>10</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub>

**M.W.:** 200.3

**Approximate Solubility:**

(mg/mL)

H <sub>2</sub> O	> 50
pH 4 Acetate buffer	> 50
pH 9 Carbonate buffer	> 50
0.1 N NaOH	> 50
0.1 N HCL	> 50
10% Ethanol	> 50
95% Ethanol	> 50
Methanol	> 50

## **Stability:**

### **Bulk:**

A sample stored at 60 °C in the dark for 30 days retained 99 ± 2% of its potency (GC).

### **Solution:**

Samples were dissolved in water at a concentration of 20 mg/mL and stored in clear glass containers at room temperatures under normal laboratory light for 9 days. The sample retained 98 ± 2% of its potency (GC).

## **Gas-Liquid Chromatography:**

<b>Column:</b>	Packed glass, 10% OV-17 on Gas Chrom Q, 100/120 Mesh, 1.83 m x 2 mm i.d.
<b>Carrier Gas:</b>	Helium
<b>Flow Rate:</b>	30 mL/min
<b>Temperatures:</b>	Oven 205 °C Injector 250 °C Detector 250 °C
<b>Detection:</b>	FID
<b>Retention Times:</b>	6.4 min (NSC - 95580) 10.3 min (I.S.)
<b>Sample Preparation:</b>	1 mg/mL in internal standard solution

**Internal Standard:**

Pentacosane (0.6 mg/mL in  
isopropanol/hexane, 70/30)

**Retention Times:**

6.4 min (NSC-95580)  
10.3 min (I.S.)